



(12) **United States Patent**
Hörtling

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(54) **TOOL-FREE BLADE CHANGE SYSTEM**

(56) **References Cited**

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(57) **ABSTRACT**

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A tool-free blade change system in one embodiment includes a handle, an arbor bolt including a keyed portion configured to mate with a keyed bore of the handle to restrict rotation of the handle with respect to the arbor bolt, a blade washer defining a plurality of washer teeth which enmesh with the body teeth so as to restrict rotation of the handle with respect to the blade washer in one direction while allowing rotation of the handle with respect to the blade washer in another direction, and a biasing member configured to bias the handle downwardly toward the blade washer, wherein the handle is axially movable with respect to the blade washer between a first position whereat the plurality of body teeth are enmeshed with the plurality of washer teeth and a second position whereat the plurality of body teeth are spaced apart from the plurality of washer teeth.

(52) **U.S. Cl.**

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See application file for complete search history.

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